

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare:

that my residence, post office address, and citizenship are as stated below next to my name;

that I verily believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

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the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603; George M. Lehnigk, Reg. No. 36,359 and Kevin F. Turner, Reg. No. 43,437.

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Full name of first joint-inventor:

Pranav

First

Middle

Ashar

Last

Inventor's Signature:

Pranav W Ashar

Date:

10/19/99

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Citizenship: Indian

Post Office Address: c/o NEC C & C Research Laboratories
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Full name of second joint-inventor:

Aarti

First

Middle

Gupta

Last

Inventor's Signature:

Aarti Gupta

Date:

10/11/99

Residence: 40 Western Way, Princeton, New Jersey 08540

Citizenship: Indian

Post Office Address: c/o NEC C & C Research Laboratories
4 Independence Way
Princeton, New Jersey 08540

ASSIGNMENT
(from Inventor to NEC USA, Inc.)

WHEREAS, We, Pranav Ashar and Aarti Gupta,
hereinafter called assignor(s), have invented certain improvements in

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and have executed an application for Letters Patent of the United States of America therefor on
; and

WHEREAS, NEC USA, Inc.
4 Independence Way
Princeton, New Jersey 08540

(assignee) desires to acquire the entire right, title, and interest in the application and invention for the United States of America, and to any United States patents to be obtained therefrom;

NOW THEREFORE, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above-named assignee, its successors and assigns, the entire right, title, and interest in the invention disclosed therein for the United States of America, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application(s) to the assignee, its successors and assigns; and we hereby agree that we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application(s) when called upon to do so by the assignee.

We hereby authorize and request our attorneys, SUGHRUE, MION, ZINN, MACPEAK & SEAS, of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3202 to insert here in parentheses (Application Number _____, filed _____) the filing date and application number of said application when known.

Date: 10/19/99

Pranav Ashar
Pranav Ashar

NOTARY

State of New Jersey)
County of Middlesex) ss:

On this 14 th day of October 1999, before me personally came Pranav Ashar, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Ann K. Meghan
Notary

Date: 10/11/99

Aarti Gupta
Aarti Gupta

NOTARY

State of New Jersey)
County of Middlesex) ss:

On this 11 th day of October 1999, before me personally came Aarti Gupta, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Ann K. Meighan
Notary

ANN K. MEIGHAN
Notary Public of New Jersey
My Comm. Exp. March 12, 2003